

Title (en)
CATALYST FOR DEALCOHOLIZATION CONDENSATION REACTION AND METHOD FOR PRODUCING ORGANOPOLYSILOXANE USING THE SAME

Title (de)
KATALYSATOR FÜR DIE DEALKOHLISIERUNGSKONDENSATIONSREAKTION UND VERFAHREN ZUR HERSTELLUNG VON ORGANOPOLYSILOXAN DAMIT

Title (fr)
CATALYSEUR PERMETTANT UNE RÉACTION DE CONDENSATION DE DÉALCOOLISATION ET PROCÉDÉ DE FABRICATION D'UN ORGANOPOLYSILOXANE À L'AIDE DE CELUI-CI

Publication
EP 2116563 A4 20100421 (EN)

Application
EP 07860395 A 20071227

Priority
• JP 2007075173 W 20071227
• JP 2006354812 A 20061228

Abstract (en)
[origin: EP2116563A1] In the present invention, when an organopolysiloxane is produced by a dealcoholization condensation reaction between a silicon atom-bonded hydroxy group and a silicon atom-bonded alkoxy group, a quaternary ammonium ion-containing compound such as an alkylammonium hydroxide compound or a silanolate thereof is used as a catalyst. The catalyst for the dealcoholization condensation reaction of the present invention is easily removed after use and is stable. For this reason, when an organopolysiloxane is produced using the aforementioned catalyst, it is not necessary to use complicated production steps or a large amount of the catalyst.

IPC 8 full level
C08G 77/08 (2006.01); **B01J 27/24** (2006.01); **C07B 61/00** (2006.01); **C07F 7/18** (2006.01)

CPC (source: EP US)
B01J 31/0239 (2013.01 - EP US); **C07F 7/0836** (2013.01 - EP US); **C07F 7/0874** (2013.01 - EP US); **C07F 7/0876** (2013.01 - EP US); **C08G 77/08** (2013.01 - EP US); **B01J 2231/76** (2013.01 - EP US)

Citation (search report)
• [X] US 2004180554 A1 20040916 - HAMADA YOSHITAKA [JP], et al
• [X] EP 1146092 A2 20011017 - JSR CORP [JP]
• [X] US 2004180222 A1 20040916 - OGIHARA TSUTOMU [JP], et al
• [X] GB 2319527 A 19980527 - GEN ELECTRIC [US]
• [X] JP 2006206700 A 20060810 - JSR CORP
• [E] EP 1995281 A1 20081126 - JSR CORP [JP]
• See references of WO 2008081890A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2116563 A1 20091111; **EP 2116563 A4 20100421**; CN 101646717 A 20100210; CN 104130413 A 20141105; CN 104130414 A 20141105; JP 5356830 B2 20131204; JP WO2008081890 A1 20100430; TW 200900143 A 20090101; US 2010063236 A1 20100311; US 8030429 B2 20111004; WO 2008081890 A1 20080710

DOCDB simple family (application)
EP 07860395 A 20071227; CN 200780048086 A 20071227; CN 201410342766 A 20071227; CN 201410343166 A 20071227; JP 2007075173 W 20071227; JP 2008552161 A 20071227; TW 96150654 A 20071227; US 52105707 A 20071227